

APR 18 2006

FAX COVER SHEET

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Attention: Examiner: Emmanuel Bayard  
Supervising Examiner: Kenneth Vanderpuye  
UNITED STATES PATENT AND TRADEMARK OFFICE

Fax: (571) 273-8300

Phone: (571) 272-3016

Phone: (571) 272-3078

Pages: Cover + 2 + 13 + 1 = 17

Date: April 18, 2006

From: Georgann S. Grunebach  
Assistant General Counsel

Fax: (310) 964-0941

Phone: (310) 964-4615

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I hereby certify that this correspondence is being facsimile transmitted to (571) 273-8300 (Centralized Facsimile Number), addressed to Mail Stop Amendment, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450, on April 18, 2006.

Date: April 18, 2006

  
Georgann S. Grunebach, Reg. No. 33,179

Attention: Commissioner for Patents

Attorney Docket No. PD-202128

Please find attached Re:

Inventor: Weizheng W. Wang, et al.

Serial No.: 10/693,140

Filed: October 24, 2003

For: OPTIMIZATION TECHNIQUE FOR LAYERED MODULATION

- AMENDMENT TRANSMITTAL
- AMENDMENT RESPONSE TO PTO REJECTION DATED 2-22-2006
- SUBSTITUTE ABSTRACT

**PLEASE CONFIRM RECEIPT OF THIS FACSIMILE**

If you do not receive all pages, or pages are not clear, please call Karen Lum at (310) 964-0735.

The DIRECTV Group, Inc., RE / R11 / A109, P.O. Box 956, El Segundo, CA 90245-0956

PAGE 1/17 \* RCVD AT 4/18/2006 6:12:10 PM [Eastern Daylight Time] \* SVR:USPTO-EFXXRF-3/1 \* DNIS:2738300 \* CSID:3109640941 \* DURATION (mm:ss):04:06

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APR 18 2006

PATENT  
Docket No. PD-202128  
CUSTOMER NO.: 020991

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Weizheng W. Wang, et al.

Serial No.: 10/693,140

Filed: October 24, 2003

For: OPTIMIZATION TECHNIQUE FOR LAYERED MODULATION

Date:

April 18, 2006

Group Art Unit:

2638

Examiner:

Emmanuel Bayard

TRANSMITTAL LETTER FOR AMENDMENT UNDER 37 CFR §1.111

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir: Transmitted herewith is an amendment in the above-identified application.

Applicant petitions for an extension of time for ( ) month to respond to the Office Action dated \_\_\_\_\_.  
If an additional extension of time is required, please consider this a petition therefor.

Fee \$ \_\_\_\_\_

An extension for \_\_\_\_\_ month(s) has already been secured; the fee paid therefor of \_\_\_\_\_  
is deducted from the total fee due for the total months of extension now requested. \$ \_\_\_\_\_  
Extension fee due with this request \$ \_\_\_\_\_

X Applicant believes that no extension of time is required to respond to the Office Action dated February 22, 2006.  
However, this conditional petition is being made to provide for the possibility that applicant has inadvertently overlooked the need for a petition for extension of time.

X Additional fee for claims is required.

X The fee for claims has been calculated as shown below:

CLAIMS AS AMENDED									
CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR				PRESENT EXTRA	RATE		ADDITIONAL FEE	
TOTAL CLAIMS	27	minus	19	=	8	x	\$ 50.00	\$	400.00
INDEPENDENT CLAIMS	3	minus	3	=	0	x	\$ 200.00	\$	0
MULTIPLE DEPENDENT CLAIMS					0	+	\$ 360.00	\$	0
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT:								\$	400.00

Charge \$400.00 to Deposit Account No. 50-0383 of The DIRECTV Group, Inc. (formally Hughes Electronics Corporation), El Segundo, California. Please charge any additional fees for claims or credit overpayment to Deposit Account No. 50-0383. If any additional extension fee is required, please charge to Deposit Account No. 50-0383. This form is being submitted in duplicate.

Respectfully submitted,

*Georgann S. Grunebach*  
Georgann S. Grunebach, Reg. No.: 33,179  
Attorney for Applicant(s)

CERTIFICATE OF TRANSMISSION UNDER 37 CFR §1.8

I hereby certify that the correspondence identified above is being facsimile transmitted to (571) 273-8300 (Centralized USPTO Facsimile Number), addressed to Mail Stop Amendment, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450, on April 18, 2006.

The DIRECTV Group, Inc.  
Bldg. R08, M/S A109  
PO Box 956  
El Segundo, CA 90245-0956  
Date: April 18, 2006

*Georgann S. Grunebach*  
Georgann S. Grunebach, Reg. No. 33, 179  
Attorney for Applicants  
Telephone No.: (310) 964-4615

April 18, 2006  
Date of Signature

DUPLICATE

Due Date: April 22, 2006

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

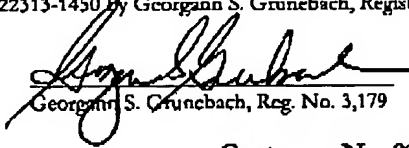
Applicants: Weizheng W. Wang et al. Examiner: Emmanuel Bayard  
Serial No.: 10/693,140 Group Art Unit: 2638  
Filed: October 24, 2003 Docket: PD-202128  
Title: OPTIMIZATION TECHNIQUE FOR LAYERED MODULATION

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## CERTIFICATE OF MAILING OR TRANSMISSION UNDER 37 CFR 1.8

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Georgann S. Grunebach, Reg. No. 3,179

Customer No. 020991

AMENDMENT UNDER 37 C.F.R. §1.111

## MAIL STOP AMENDMENT

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Dear Sir:

In response to the Office Action dated February 22, 2006, please amend the above-identified application as follows.

04/19/2006 EAYALEW1 00000045 500383 10693140

01 FC:1202 400.00 DA